From: Veolia Water Technologies
To: gmachos@csu.org
Subject: Unique Zero Liquid Discharge (ZLD) System for Treatment of Wastewater
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Unique Zero Liquid Discharge (ZLD) System for Treatment of Wastewater from Coal-Fired Generation

Benefits of CoLD:

> Achieves Zero Liquid Discharge on difficult coal-fired wastewaters

Flue Gas Desulfurization (FGD) and Integrated Gasification Combined Cycle (IGCC) processes produce large volumes of saline wastewater containing toxic and hazardous constituents.

The CoLD Process Eliminates Pre-Treatment & Addition of Chemicals

Utilizing proven HPD® Evaporation and Crystallization technology, Veolia has developed a simple and robust process to separate the wastewater from coal-fired power plants into clean water and a stable, non-hazardous solid for disposal and/or re-use.

The **CoLD ® Process is a simple and economical approach to ZLD**. It requires no chemical treatment of the wastewater and generates no additional sludge for disposal. It is an ideal solution to address issues facing the power industry, such as stricter water reuse standards, mandated ZLD, and increasingly stringent regulations for discharge of total dissolved solids (TDS).

> Lowest CAPEX and OPEX

> No chemical pre-treatment or sludge production

> Produces clean water for reuse and stable solids for disposal

> Simple, robust process with high reliability and availability

> Operating experience in other industries

Click Here to Read the ELCOGAS Case Study

For more information, contact **Jill Browning** at jill.browning@veolia.com.

Visit our website at www.veoliawatertech.com

Veolia group is the global leader in optimized resource management. With over 163,000 employees worldwide, the Group designs and provides water, waste and energy management solutions that contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and replenish them.

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